

Sound Transit

On the Move...

Sound Transit's Link light rail



Honolulu Rail Symposium
June 23, 2009

Sound Transit: the regional mass transit provider



Sound Move - 1996

High Capacity Regional Transit

- ST Express bus
- Sounder commuter rail
- Link light rail
- Community connections

Complement local transit service

Improve HOV system

Common fare system



ST Ridership

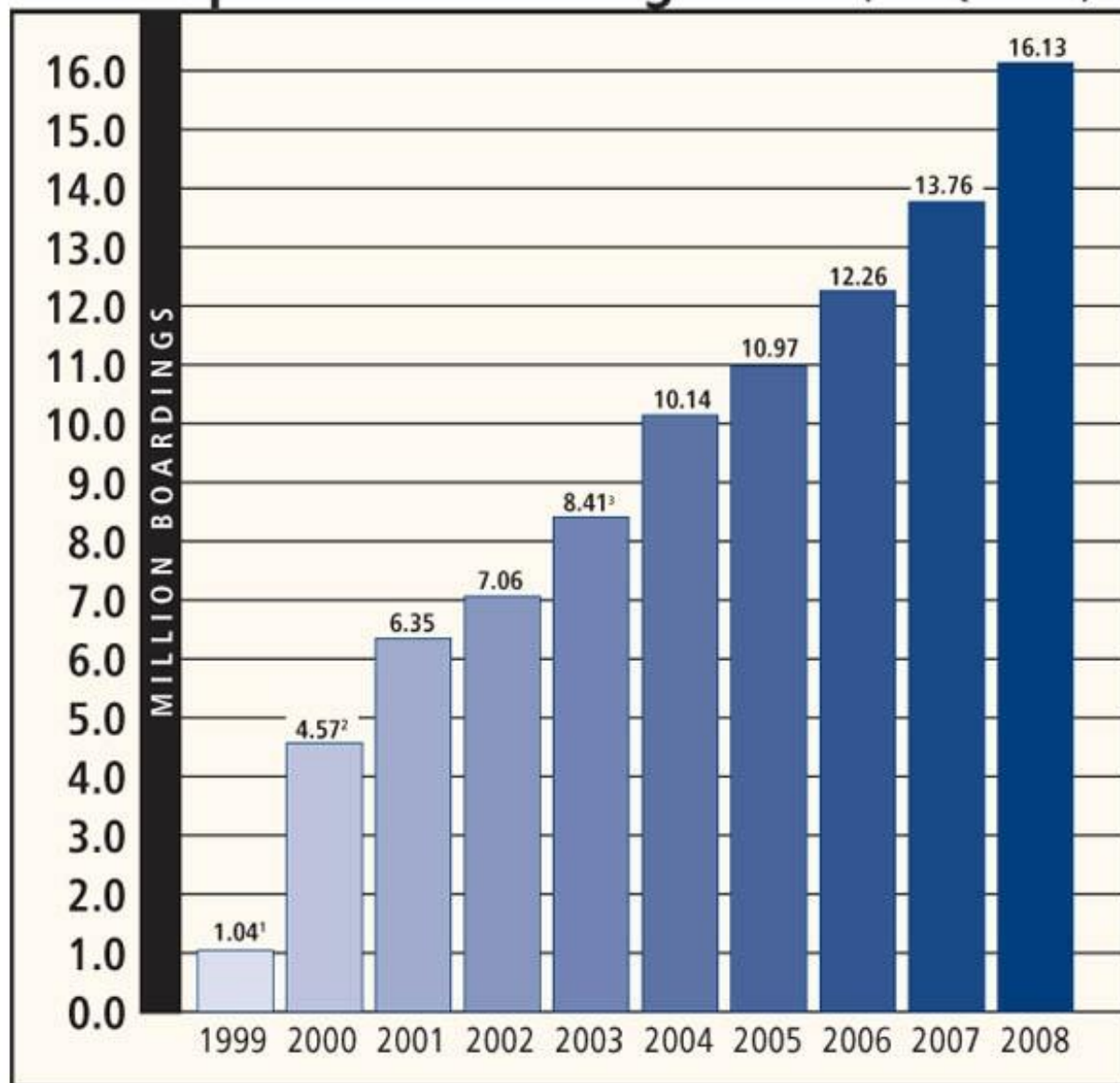
- 56,000 avg. daily boardings in 2008

- up 17% from 2007

- Sounder commuter rail: July '08 up 38% compared to July '07

- +21,000 avg. daily boardings in 2009 with Central Link

Ridership from 1999 through 2008 (4th Quarter)



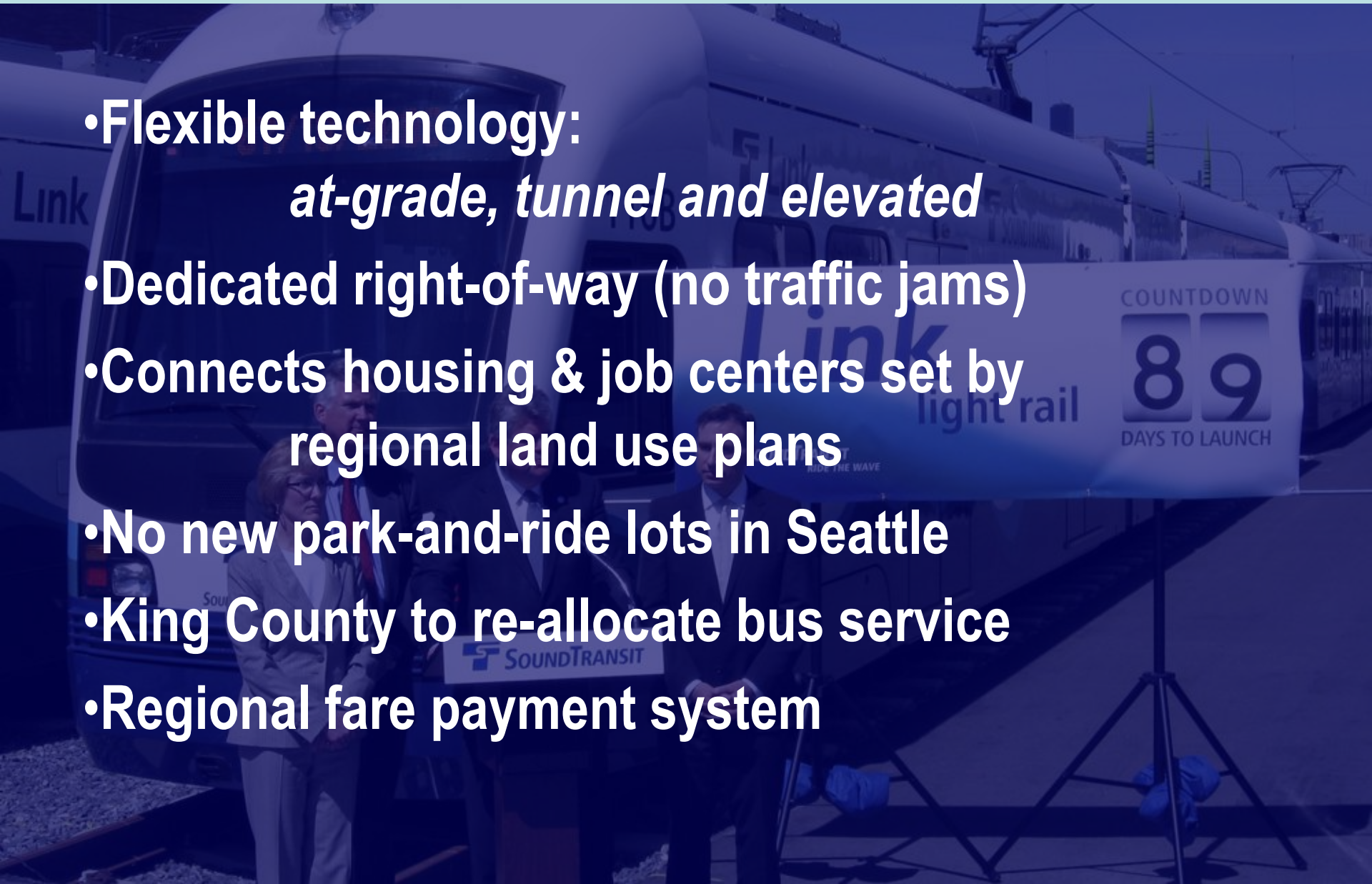
1) ST Express starts in Sept. of 1999, no Sounder or Link service

2) Sounder starts in Sept. 2000

3) Tacoma Link starts in Aug. 2003

ST's Link light rail system

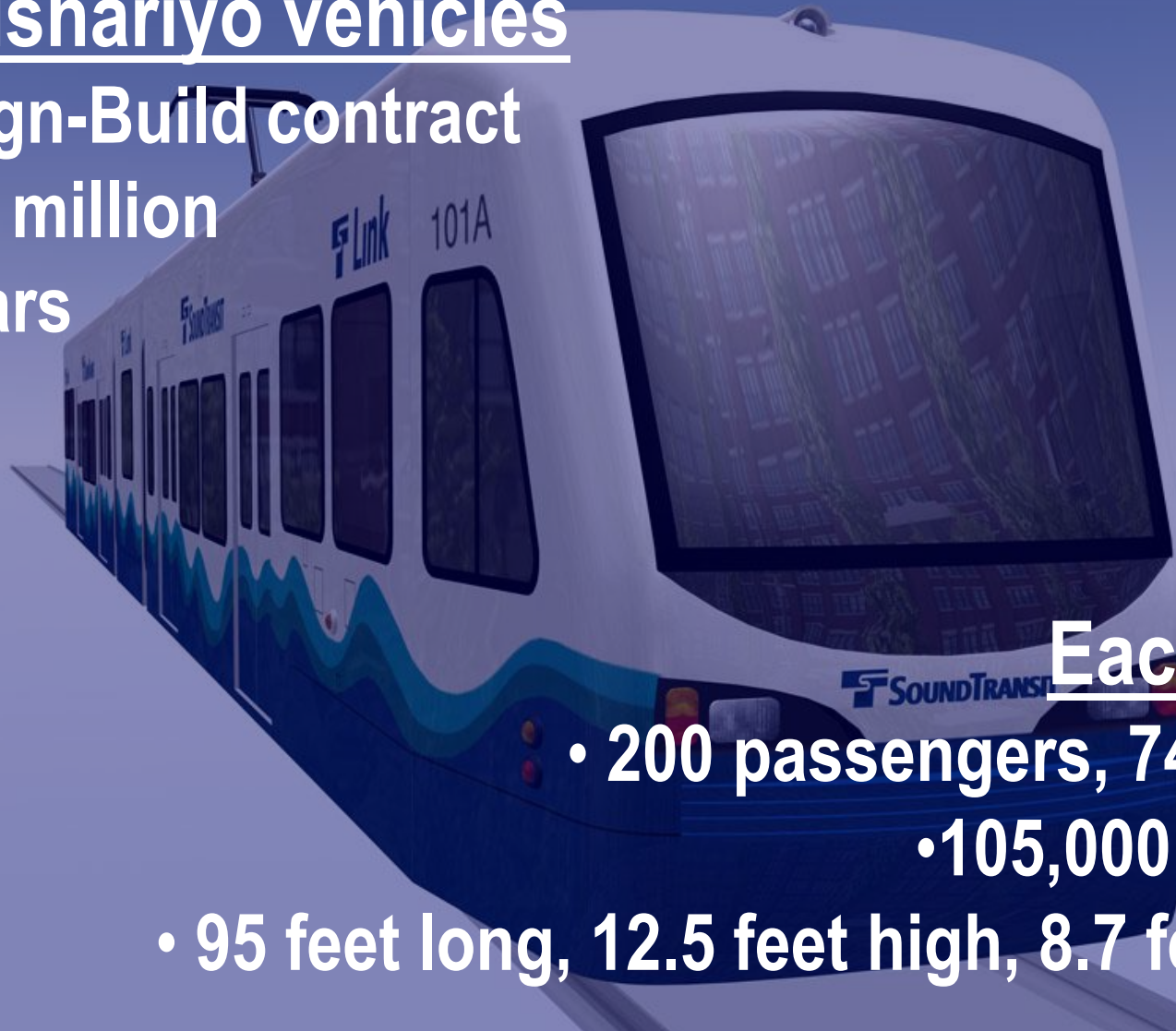
- Flexible technology:
at-grade, tunnel and elevated
- Dedicated right-of-way (no traffic jams)
- Connects housing & job centers set by regional land use plans
- No new park-and-ride lots in Seattle
- King County to re-allocate bus service
- Regional fare payment system



ST's light rail vehicles

Kinkishariyo vehicles

- Design-Build contract
- \$139 million
- 35 cars



Each car...

- 200 passengers, 74 seated
- 105,000 pounds
- 95 feet long, 12.5 feet high, 8.7 feet wide

Sound Move Link light rail plan



Central Link

OPENS JULY 18!

- 14 miles, 12 stations
- \$2.4 billion capital budget
- Funding:
 - 0.3% MVET
 - 0.4% retail sales
 - \$500 million FTA grant
- Operating Budget
 - \$21.8 million for 2009
 - \$38.7 million for 2010





Extension – Airport Link

- Opens December 2009
- 2 miles, 1 stations
- \$269 million capital budget





Extension – University Link

- \$1.9 billion capital budget
- \$813 million FTA grant
***Highest rating from FTA*
- No new taxes
- Triples system ridership
- Opens 2016



Central Link – tunnel portions



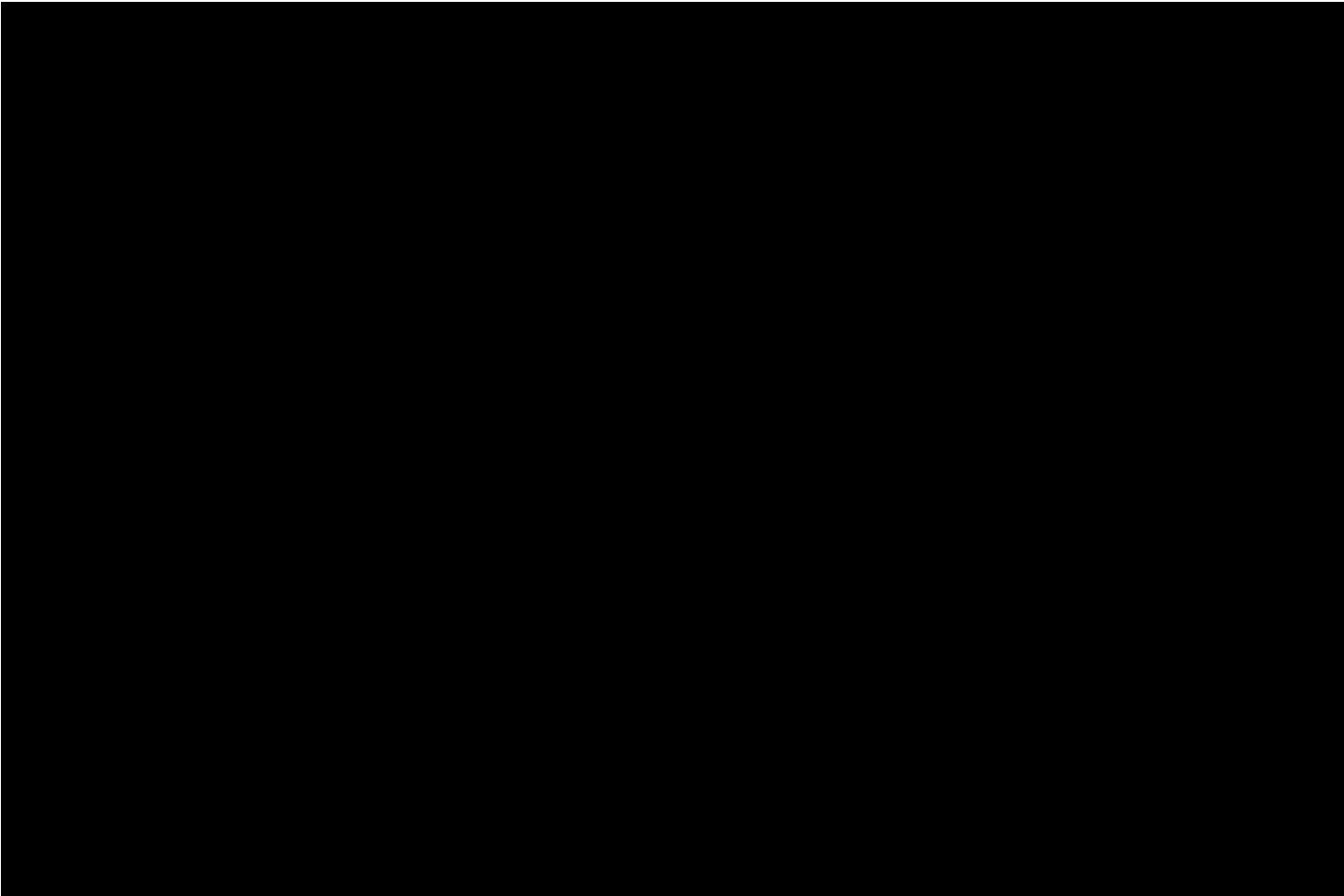
Central Link – at-grade portions



Central Link – elevated portions



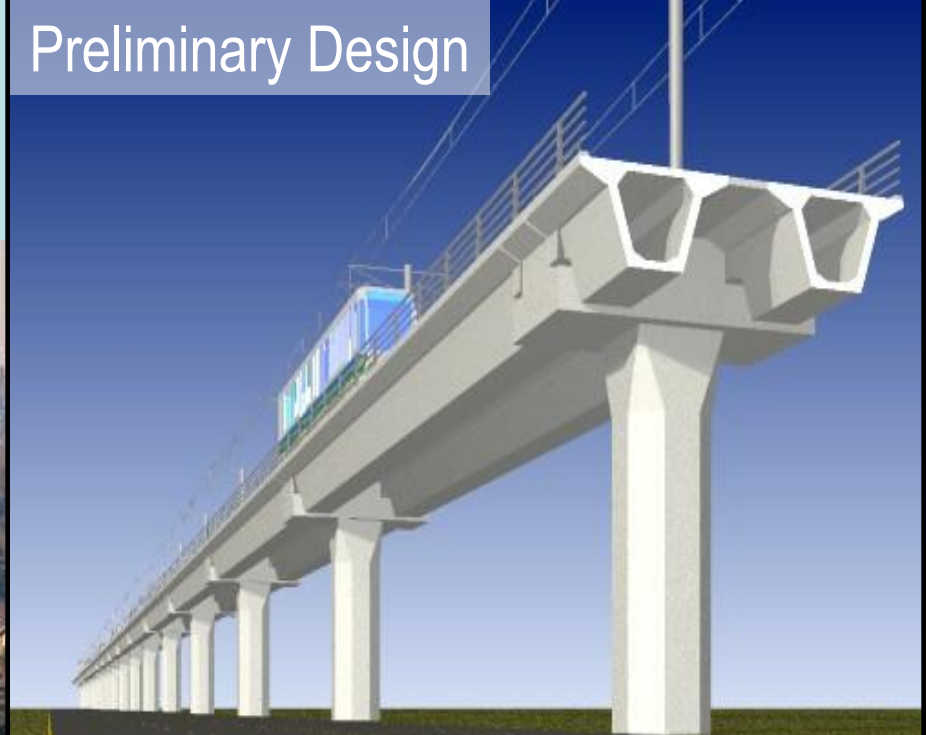
Tukwila International Blvd Station



ST's Link: elevated sections



Preliminary Design



Revised Design



Pre-Cast Segmental Technology

- \$23 million savings (about 10% of total contract value)
- 8 months reduced construction period (about 20% duration)
- Reduced traffic and railway impacts
- Reduced temporary wetland impacts



Tukwila & Airport



Project management issues

- 
- A photograph of construction workers in safety gear (hard hats, high-visibility vests, and boots) working on a railway track. They are using tools to adjust the rails. The background shows a construction site with various equipment and materials.
- construction management
 - cost estimating
 - project control
 - safety
 - reporting
 - community relations



Link
Light Rail

Construction Alert #173/2006

New roadway paving has begun on the streets and sidewalks along the Link Light Rail alignment.

Roadway paving involves the following:

1. Shift the traffic to a three lane road on the east side of the road.
2. Demolish the old roadway - vibration and noise which will affect your residence. It will generally be a short time and you should not be alarmed.
3. Final drainage structures are completed. The roadway will be paved with concrete.
4. Concrete placement on the roadway will be completed. The concrete will be strong enough to hold vehicles. You may have to use alternate property. An RCI-H representative will make arrangements for alternate property.
5. As the concrete hardens (cures), the pavement will be cut. This is a time when the concrete is placed at a certain temperature, etc... Your property will be affected by the temporary noise is applied.
6. As the roadway cures to suit the curbs, gutters, sidewalks, etc., the roadway will be restored to normal.
7. Property will be restored to normal. The grass seed is placed, and the grass will be installed.
8. After one side of the street is paved, the other side will be repeated for the opposite side.
9. Please call the Hotline if you have any questions regarding this process.



Link Light Rail Southcenter Blvd/S. 154th St Construction Alert



Construction Alert - # 50

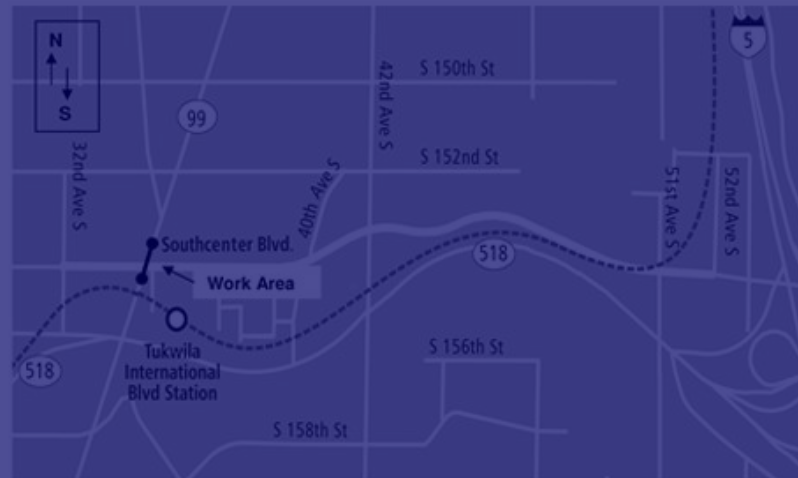
5/2009

Street Closure/Night Work

Starting as early as 11:00 PM on May 1, 2009, the contractor SCI will be paving the new Link Light Rail alignment at the intersection of SR 99 and Southcenter Blvd/S. 154th Street.

Southcenter Boulevard will be closed to through traffic from 42nd Ave S to International Blvd/SR 99. Access through the work area will be limited to local access and emergency vehicles only. There will be no access to the work area on the weather side of the road.

If exiting or entering your property during this time, access will be from the east only. You will need to enter/exit at 42nd Ave S. You will not be able to go through the work area. SR 99 will be closed to through traffic from 42nd Ave S to International Blvd/SR 99. Access through the work area will be limited to local access and emergency vehicles only. There will be no access to the work area on the weather side of the road. There will be officers and flaggers present. **EXPECT DELAYS.**



Sound Transit 24-hour Construction Hotline : (888) 298-2395

Sound Transit 24-hour Construction Hotline: 1-888-298-2395

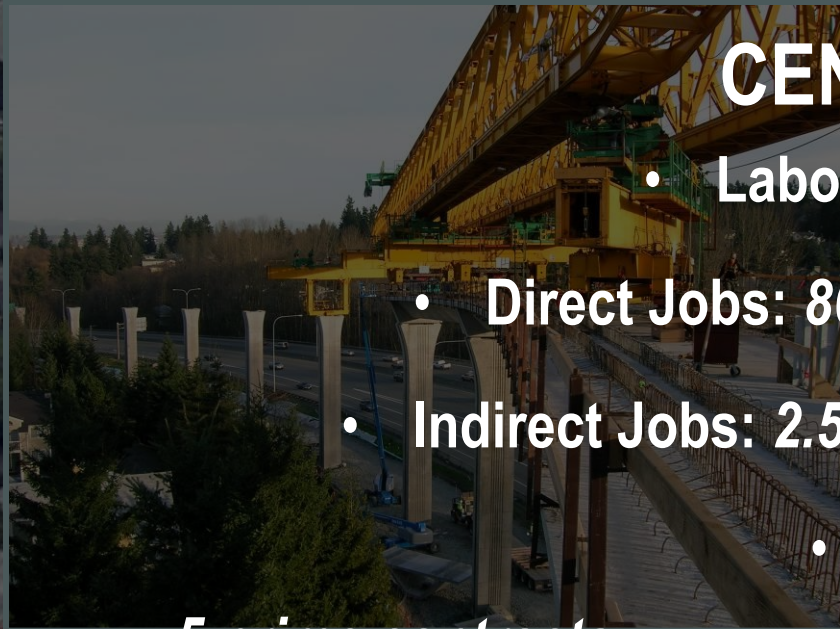
Transparency Accountability & Communicating with the Public

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ប្រព័ន្ធរថភ្លើង 206/398-5000
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Rainier Valley Light Rail na
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VIETNAMESE

Building rail in a recession

CENTRAL LINK

- Labor hours: *8.6 million*
- Direct Jobs: *860 construction jobs at peak*
- Indirect Jobs: *2.5 - 4 indirect for every direct job*
- Contracts:
 - *5 prime contracts*
 - *3 systems (OCS, signals, communication)*
 - *280 sub-contracts for central link*
- Re-development & TOD
 - Revenues down





Voters approve expansion

- \$18 billion in projects
- 36 miles new light rail =
55-mile regional system
- 19 new light rail stations
- 21 cities connected by light rail
- 358,000 daily riders by 2030
- 8,000 direct construction jobs &
69,000 indirect jobs created
- CO₂e reduced by 100,000 tons / yr.

Link light rail future expansion

36 new miles by 2023

NORTH: University of Washington to Lynnwood
EAST: Seattle to Overlake Transit Center
SOUTH: Sea-Tac Airport to Star Lake / Redondo

First Hill Connector
Tacoma Link extension

How to keep moving forward



OxBlue.com

Thank you.

